

Scope of the tool

- Registration of users
- Uploading of bird and bat monitoring datasets
 - Pre-construction and post-construction
- Uploading of background datasets and old monitoring reports
 - Atlasing, distribution maps
- Review of datasets and incentives
- Searching and downloading datasets
- Free access through GIS portal

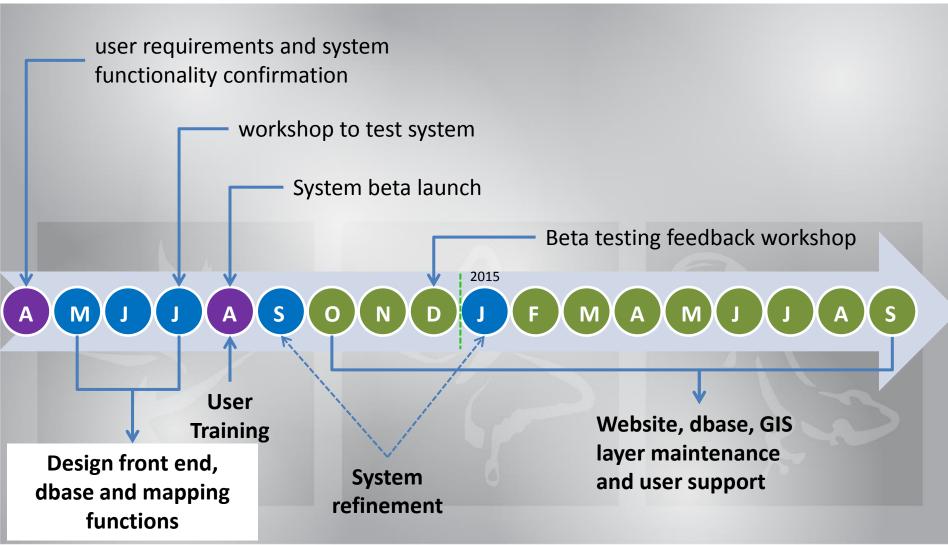








Process Timeline (Feb 2014)



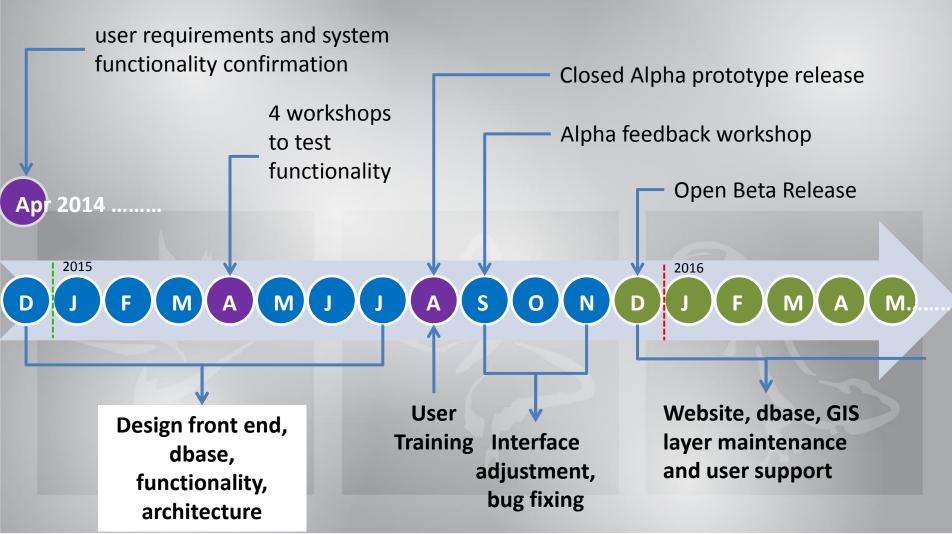








Progress and Revised Process Timeline (Feb 2015)



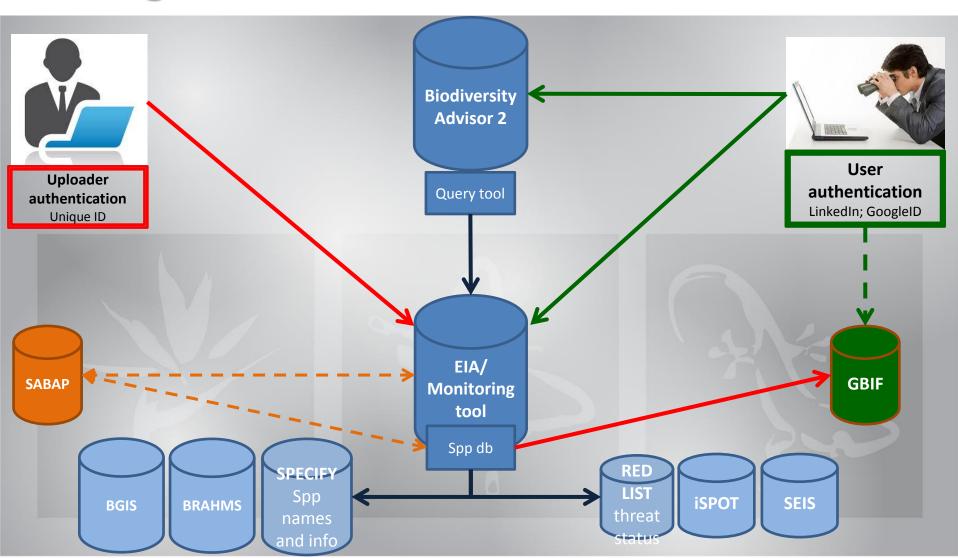








Nesting the tool in an Information Architecture



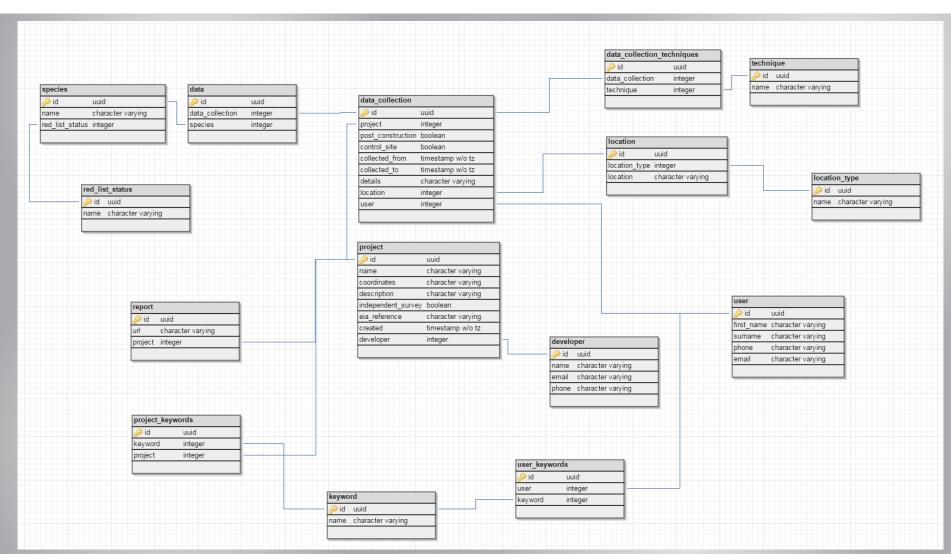








Preliminary database schema

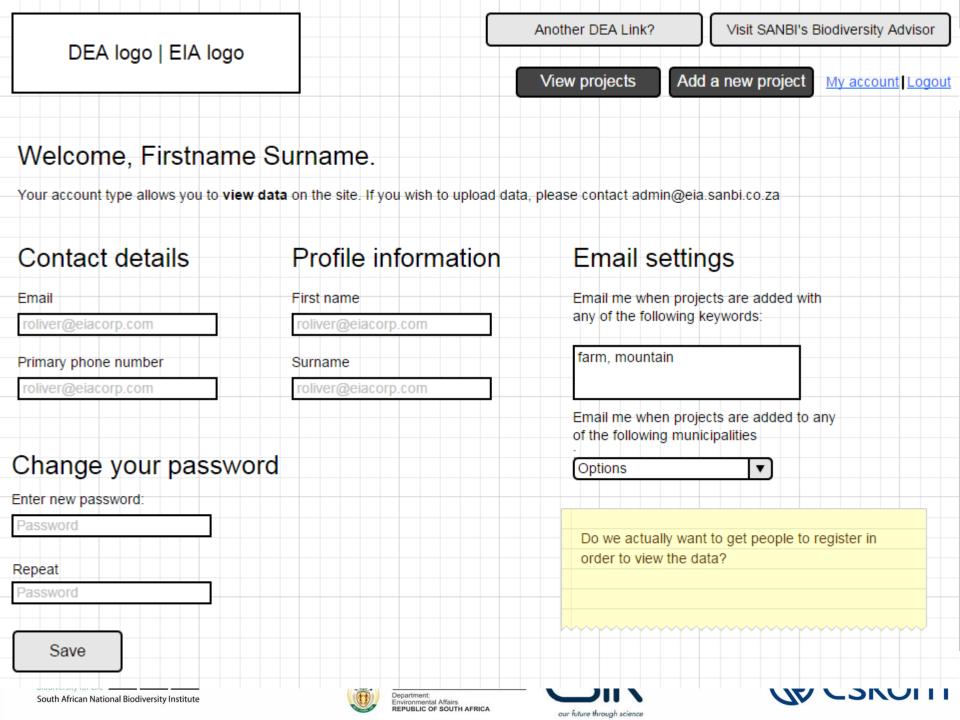


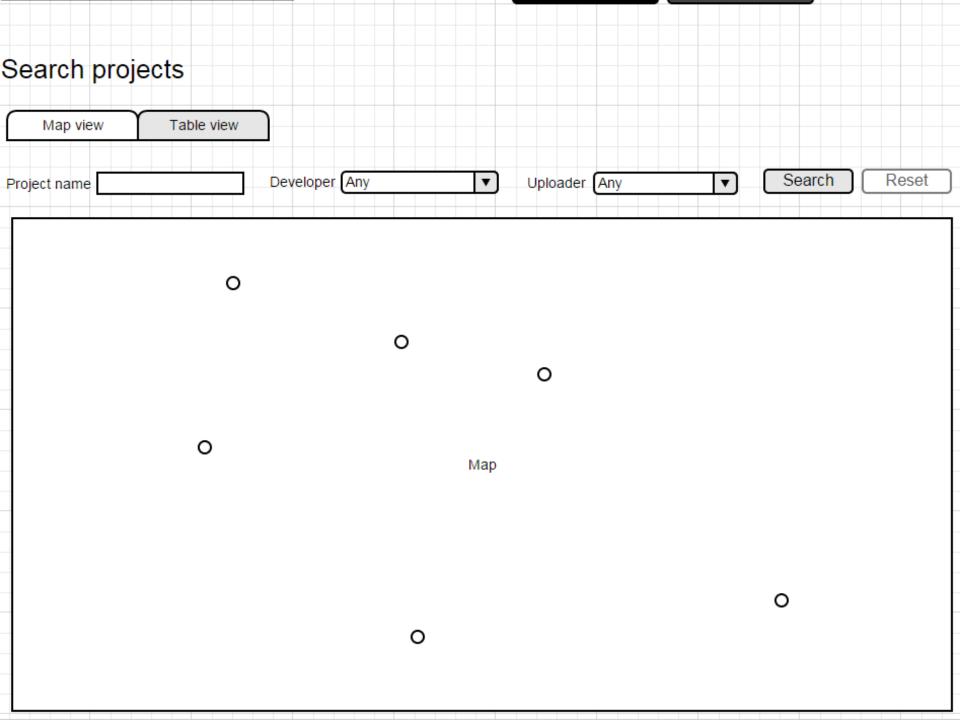




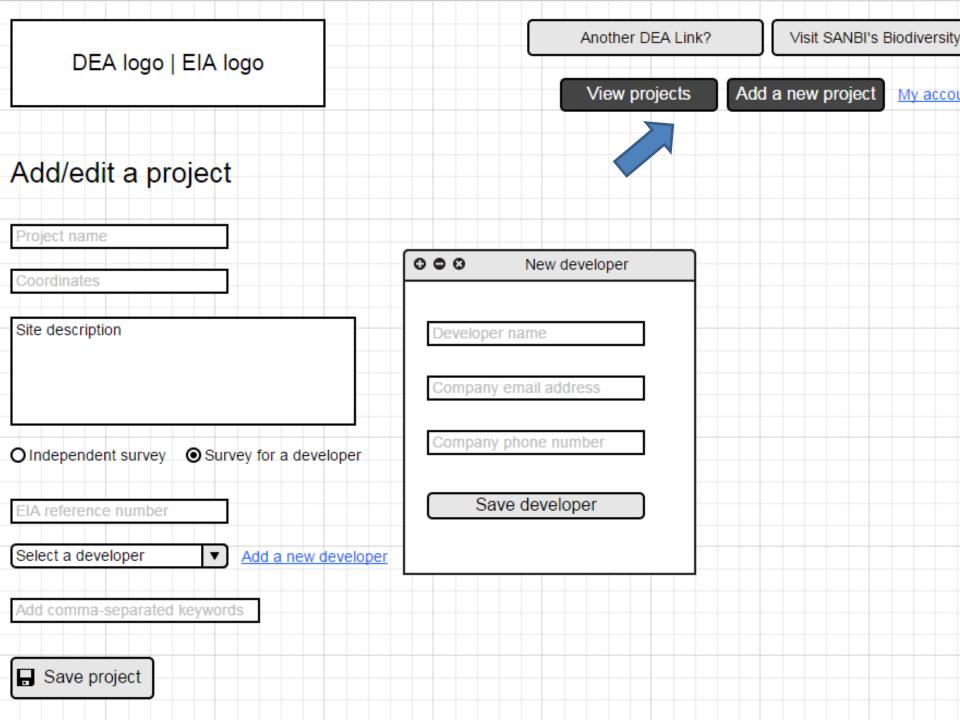


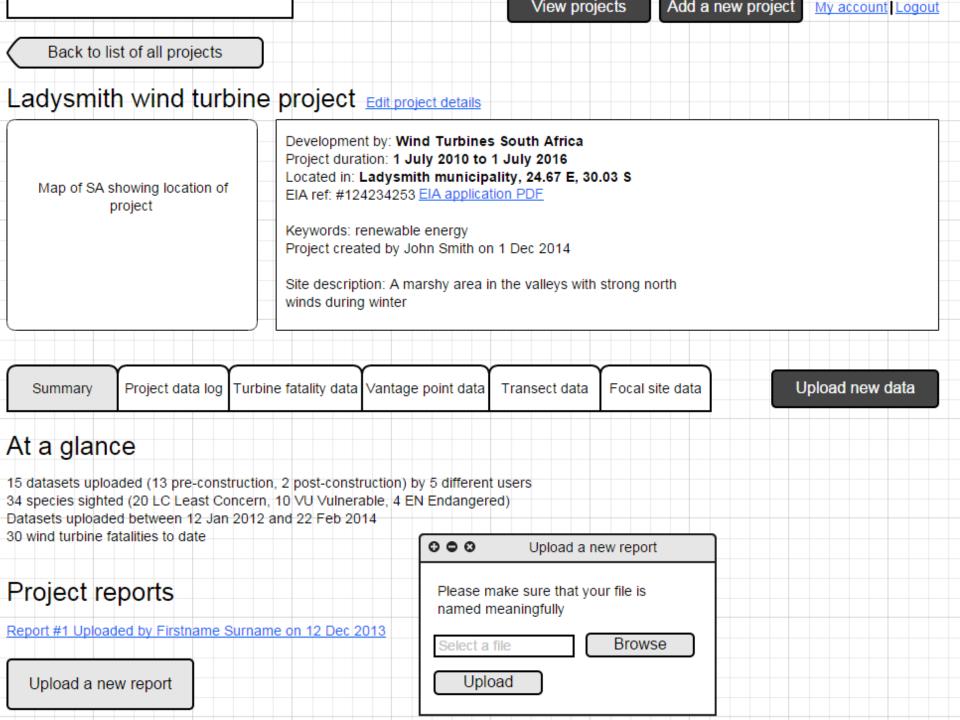




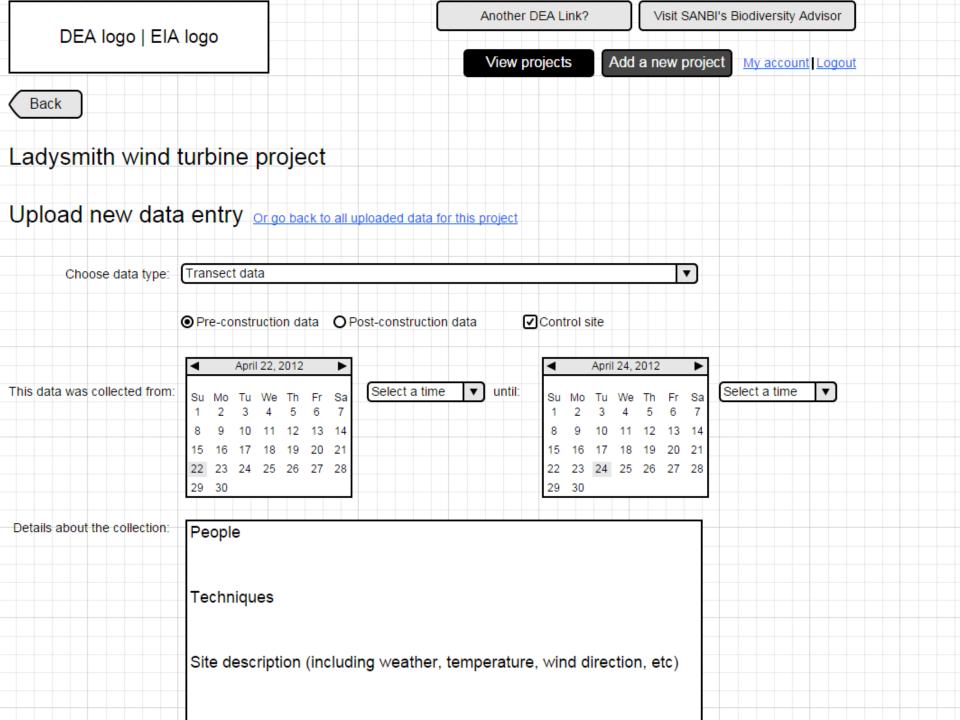


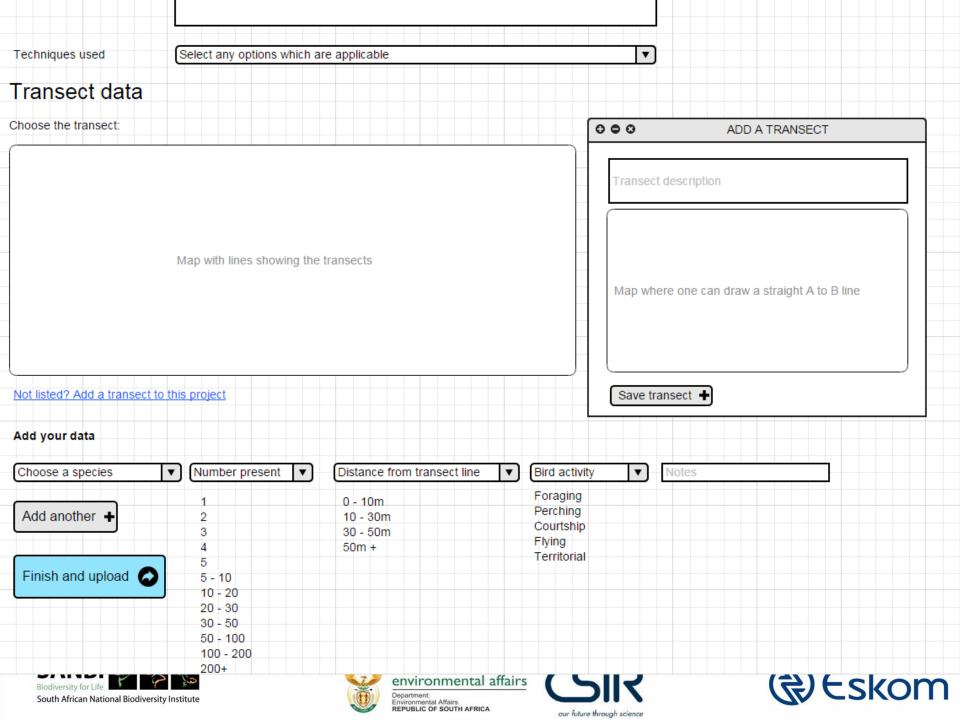
View projects									
Map view Table view									
Project name	Developer Any	▼ Uplo	ader (Any	▼ Search	Reset				
▼ Project name	▼ Developer	▼ Uploader	▼ No. of datasets	▼ Date uploaded	▼ Last edited				
Ladysmith Wind turbine project	Wind turbines inc.	Mogomotsi Mnguni	2	3 Jan 2015	6 Feb 2015				
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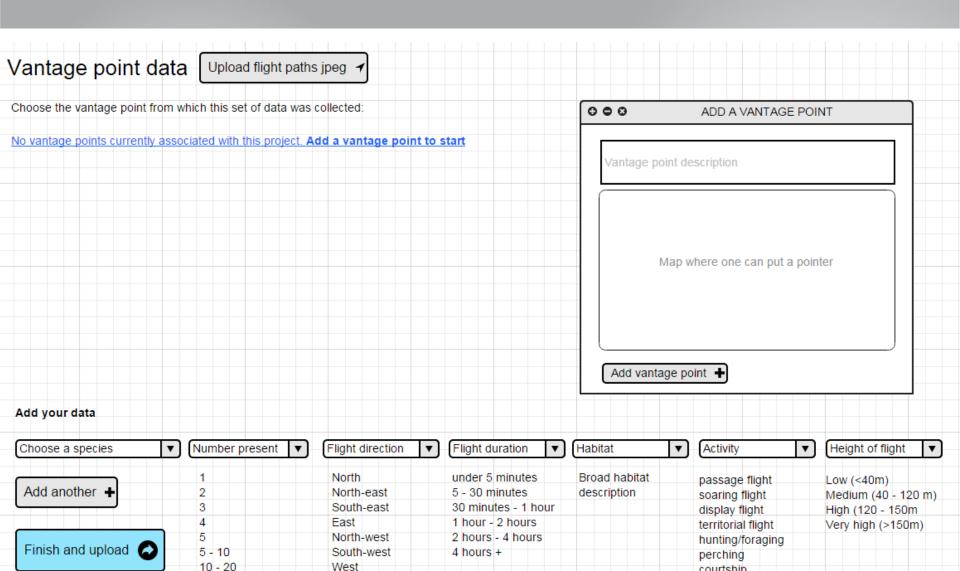




Back to list of all projects										
Ladysmith wind turbine project Edit project details										
Development by: Wind Turbines South Africa Project duration: 1 July 2010 to 1 July 2016 Located in: Ladysmith municipality, 24.67 E, 30.03 S EIA ref: #124234253 EIA application PDF Keywords: renewable energy Project created by John Smith on 1 Dec 2014 Site description: A marshy area in the valleys with strong north winds during winter										
Summary Project data log Turbine fatality data Vantage point data Transect data Focal site data Upload new data										
▼ Uploader	▼ Date uploaded	▼ Covering timespan	▼ Type of data	▼ View						
John Smith	5 Dec 2013	1 Nov 2013 - 20 Nov 2013	Post-construction - Wind turbine fatalities	Link						
John Smith	15 Dec 2009	1 Nov 2009 - 20 Nov 2009	Pre-construction - Transect	Link						
John Smith	25 Dec 2009	1 Nov 2009 - 20 Nov 2009	Pre-construction - Transect	Link						
John Smith	5 Jan 2010	1 Nov 2009 - 20 Nov 2009	Pre-construction - Focal site	Link						
John Smith	5 Dec 2009	1 Nov 2009 - 20 Nov 2009	Pre-construction - Transect	Link						
John Smith	15 Dec 2009	1 Nov 2009 - 20 Nov 2009	Pre-construction - Vantage point	Link						
John Smith	25 Dec 2009	1 Nov 2009 - 20 Nov 2009	09 Pre-construction - Transect							









20 - 30



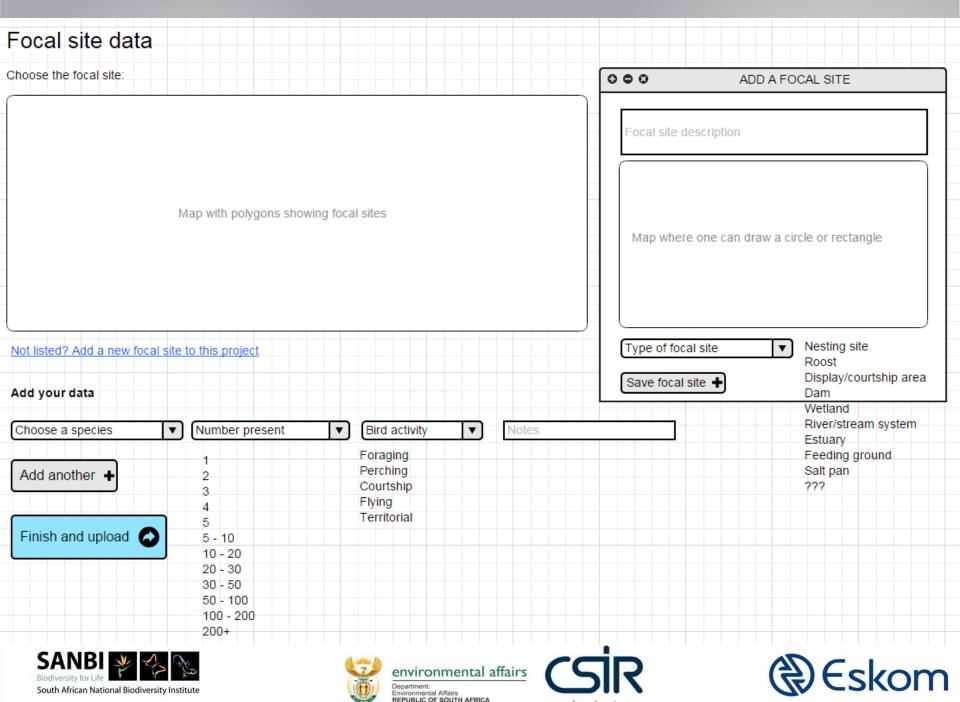
South

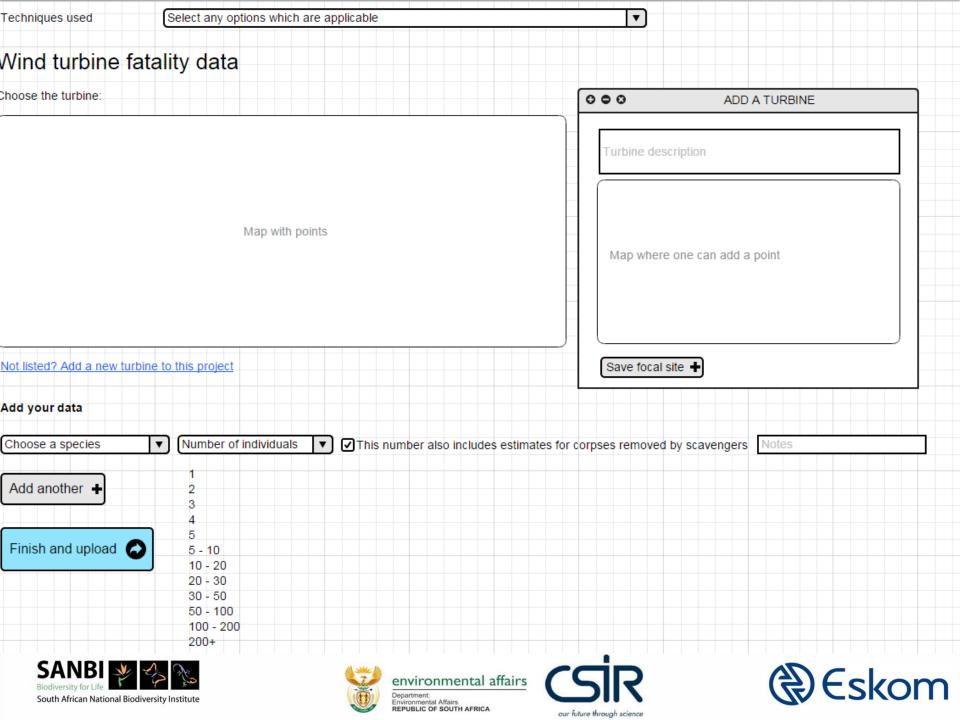


courtship

territorial







Top of east ridge vantage point -34.567 S, 29.4321 E

Select a dataset from the dropdown:

Post-construction data captured between 12 Dec 2013 (06:00) and 12 Dec 2013 (08:00) - Uploaded by John Smith on 1 Jan 2014

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Techniques used: None selected

Description of how data was captured, the people involved and a description of the site. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla quam velit, vulputate eu pharetra nec, mattis ac neque. Duis vulputate commodo lectus, ac blandit elit tincidunt id. Sed rhoncus, tortor sed eleifend tristique, tortor mauris molestie elit, et lacinia ipsum quam nec dui. Quisque nec mauris sit amet elit iaculis pretium sit amet quis magna. Aenean velit odio, elementum in tempus ut, vehicula eu diam. Pellentesque rhoncus aliquam mattis. Ut vulputate eros sed felis sodales nec vulputate justo hendrerit. Vivamus varius pretium ligula, a aliquam odio euismod sit amet. Quisque laoreet sem sit amet orci ullamcorper at ultricies metus viverra. Pellentesque arcu mauris, malesuada quis ornare accumsan, blandit sed diam.

Download flight paths

▼ Species	▼ Number present	▼ Flight direction	▼ Flight duration	▼ Habitat	▼ Type of flight	▼ Height of flight
Cape Rockjumper	4	North	5 - 30 minutes	?	Passage	Low (< 40m)
Blue Crane	3	South	5 - 30 minutes	?	Passage	High (120 - 150m)
Black Harrier	2	East	5 - 30 minutes	?	Display	Low (< 40m)
Cape Cormorant	3	South	5 - 30 minutes	?	Passage	High (120 - 150m)
Cape Rockjumper	4	North	5 - 30 minutes	?	Passage	Low (< 40m)
Blue Crane	3	South	5 - 30 minutes	?	Passage	High (120 - 150m)
Black Harrier	2	East	5 - 30 minutes	?	Display	Low (< 40m)
Cape Cormorant	3	South	5 - 30 minutes	?	Passage	High (120 - 150m)

Conclusion

- The wireframes thus far cover all of the interactions for the system for birds.
- The other types of data (wind turbine fatalities, transects and focal sites) are viewed in a similar way to vantage points.
- Still need to resolve permissions and quality control w.r.t. editing projects/adding data to projects.









Discussion

